

The full-length alphavirus RNA is modified to contain a foreign gene

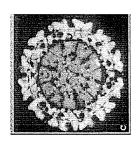
က် Capsid/Envelope genes ئ. ا

Resulting in a self-replicating mRNA or "replicon" and separate helper function

Capsid/Envelope ည့ 5'-



Process of A paracolas



Self-replicating narmy or "replicon"

Foreign gene:

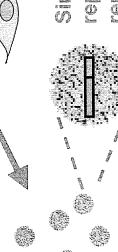
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Helper function

Capsid/Envelope genes

Replican and RNA or DNA helpers introduced into certified VERO cells by electroporation

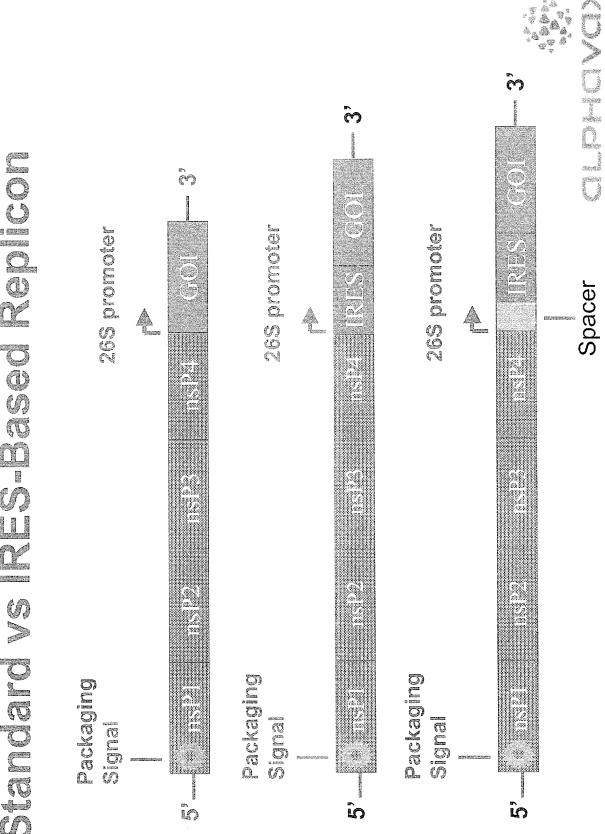


Single-cycle VRP (virus-like replicon particles containing the replicon RNA.





OTOPICON MINIMOSON MODICON



Vaccines Redefined

